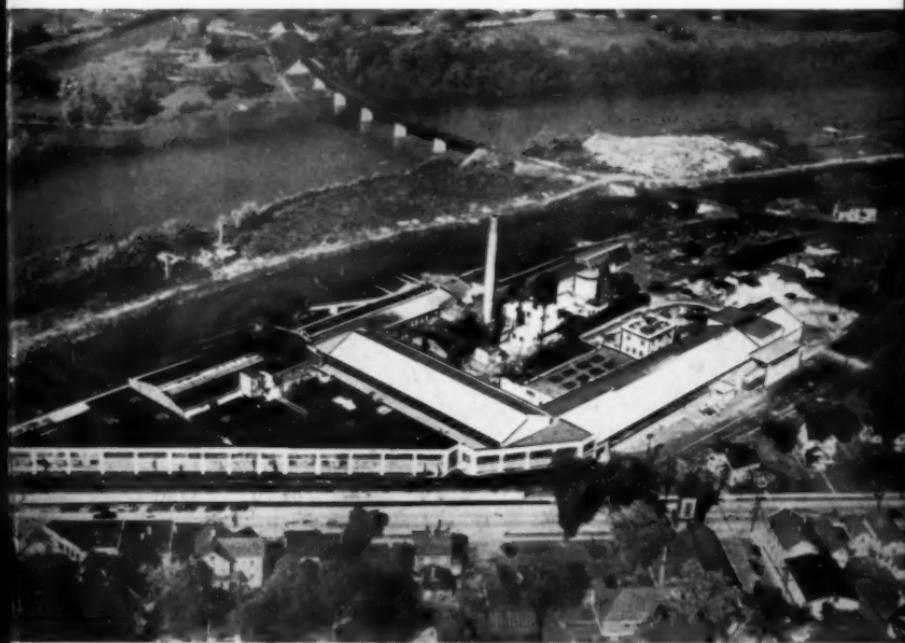


ASBESTOS



The Ruberoid Co.'s South Bound Brook, N. J. Plant

SEPTEMBER 1952



WEATHER VANE

Point where you will . . . in every part of the country you will find the diversified asbestos products of Raybestos-Manhattan. We, in turn, can point with pride to all these products, for six great R/M plants with their research and testing laboratories are continuously at work to improve their quality. Out of this experience R/M offers a unique service to all who are interested in asbestos and its commercial applications.

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Packings • Mechanical Rubber Products • Abrasive and Diamond Wheels
Brake Linings • Brake Blocks • Clutch Facings • Fan Belts • Radiator Hose
Rubber Covered Equipment • Sintered Metal Products • Bowling Balls

"ASBESTOS"

FOUNDED IN JULY 1919 AND PUBLISHED
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BY SECRETARIAL SERVICE
808 WESTERN SAVING FUND BLDG.
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Estate of C. J. STOVER, Proprietor

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ASBESTOS IN YUGOSLAVIA

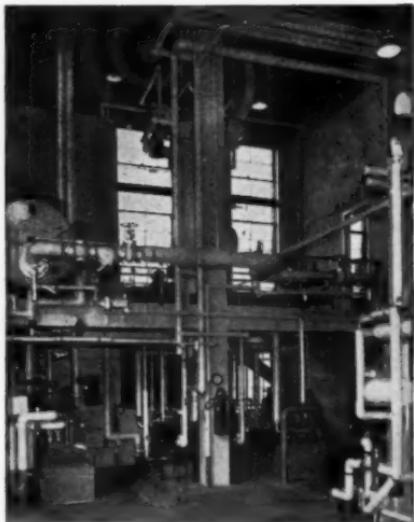
(This is the second part of the article written by W. B. Millar, Consulting Geologist; the first part appearing in our August 1952 number.)

Rujiste Mine

Located at the top of a mountain with an elevation of 960 meters above sea level, this mine was one of the most interesting visited. The vein being worked is along a fault plane entirely in serpentine. The Germans during the Occupation dug out ore at seven places now reported as having collapsed workings the extent of which are unknown. At Rujiste the fault has been mined at two places about a kilometer apart. In the section studied in some detail there are two inclined shafts on the fault and an adit crosscutting barren serpentine to reach the fault. The underground work now underway will develop the mine by a system of shrinkage stoping, an effort being made to blast barren material on the footwall separately from the fibre-rich hanging wall, the ore being carefully sorted underground and sent out to be hand cotted.

The fault zone is narrow where studied being up to a meter in width and generally less. On the footwall is broken serpentine, then a clay-like gangue as the fault is entered followed by brecciated serpentine with the narrow (15 to 30 cms) fibre zone invariably on the hanging wall side of the fault and generally appearing to be in the hanging wall itself rather than in the fault zone. Altho the fibre zone is always rather narrow, the fibre recovered is 15% to 50% No. 1 and 2 Crudes of good quality, being somewhat harsh and only a little weaker than Canadian fibre. At the present time, with no orderly mining system established, the production is low, possibly one to two tons of Crude a month, but with a selling price of \$1,000 a ton (sold in Germany) the mine is reported as profitable in a small way.

The long fault zone will make access to the fibre possible at many points, some of them more easily reached than mountain-top Rujiste. A small milling plant could be centrally located to treat the rich rejects from the hand



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it serve mankind since 1873



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cobbing operation. Altho the fibre zone will be presumably everywhere a narrow one and not altogether continuous along the fault, still it appears likely that a good small business can be maintained and, unlike some of the other asbestos projects in Yugoslavia, be run at a profit.

Bogoslovac Mine

This property located 83 kilometers SE of Skoplje and in the People's Republic of Macedonia is notable in two respects. The first is that a new mill to handle 170 tons of ore a day is nearing completion, and the other is that once again there is evidence that one of the hardest lessons to learn in the mining business is not to construct milling facilities before an ore supply is assured.

The ore body at Bogoslovac has been crosscut by several adits which clearly indicate a fibre-bearing zone in the serpentine some 40 m wide. The strike of this zone is E-W and its length about 200 m. The asbestos occurs exclusively in "ribbon structure", is uniformly short to very short, and rather brittle. It is evident that the mill production will include only the least valuable groups. Altho part of the ore zone has a fairly rich concentration of fibre, perhaps 15%, the whole zone will run much less, possibly 3% to 5%, but most of this will be so short that recovery will be difficult, or, if recovered, the fibre is likely to be sandy. Even in a country needing fibre badly it seems unlikely that Bogoslovac production will be very highly regarded.

The ore zone is located along the side of a small hill and close to the contact of the serpentine with old schistose and gneissic rocks. The ribbon structure indicates rather intense shearing prior to fiberization, and at some later period there was further movement which has left the serpentine very much broken by innumerable small faults which can be observed in the minor displacements in the ribbon structure. The small size of the ore body and its position will preclude extensive benching or other open-cut operation, and mining the serpentine by underground methods will prove both costly and difficult. Altogether the future of the new Bogoslovac mill does not appear too rosy based on the ore conditions as known,



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Our new modern Mill at Lowell, Vt., offers many grades of “Shorts” and “Floats” to meet special formulas of diverse manufacturers.

“Asbestos Floats” for manufacturing Filler Cement for use in application of Gypsum Board where bulk and freedom of grit is essential. They supply advantages of a low-cost inorganic fibre which provides impact strength and good workability.

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turers where special grades are required for exclusive formulas to assure faster molding with the least distortion in drying.

“Asbestos Shorts” graded to meet manufacturers’ requirements in production of Asphalt and Vinyl Floor Tile, Automobile Body Undercoating, Asphalt Paints and Plastics, Texture Paints and Adhesives, Asbestos Insulating Cement and other products.

For further information, write to—

**Executive Offices: 500 Fifth Avenue,
New York 36, New York**

The RUBEROID Co.

ASPHALT AND ASBESTOS BUILDING MATERIALS

possibly prospecting in the area will disclose better ore reserves.

The mill at Bogoslovac is of Yugoslav design and construction thruout, including the manufacture of the machinery. Its total cost is estimated at 40,000,000 dinars. The circuit includes two jaw crushers, two crushing rolls, a rotary dryer divided into eight longitudinal sections, two disintegrators or fiberizers, and 26 eccentric shaft vibrating screens with the usual air suction equipment to remove opened fibre from some of them. There is no provision made for grading fibres. The mill building is solidly constructed of brick with cement columns and corrugated cement sheet roofing. All in all, the small plant should do an adequate job, with the reservation made that the effect of the fiberizers on fibre length cannot be forseen as the writer has never observed such equipment in operation on asbestos.

The fiberizers are a type of mill which have elsewhere been termed "bird cages". Two opposing circular steel plated (1.1 m and 1.25 m in diameter), turned in opposite direction by separate motors, have mounted on them rings or circular rows of steel pins 25 cms long and 3 cm in diameter. On each revolving plate there are either three or four such rings of pins. The rings on one plate revolve between the rings of the opposing plate and thus ore entering at the top receives many blows from the pins before discharging at the bottom. The fiberizer operates at around 500 RPM with a 45 kw motor shafted to each plate.

Stragari Mine

It is unusual to say of a deposit that it is unique, but in the writer's experience Stragari is. What started as a chrysotile occurrence in sheared serpentine along a limestone contact became, thru excessive shearing forces, a deposit of greenish-gray leathery asbestos sheets so tough and compacted that no mechanical method has yet succeeded in freeing the fibre for normal use. A 300 lb. sample of the richest ore was tested in the United States about two years ago and was found to contain 50% of fibre sheets, the remainder of the ore being a gray talcose



ASBESTOS "Shorts" and "Floats"

increase coverage, prevent cracking

WHEN used as extenders in texture paints and adhesives, these Johns-Manville asbestos fibres—because of their fineness, fibrous structure, and mineral nature—offer greater product benefits than other types of fillers. Thicker consistencies are obtained without shrinking or cracking while drying.

To other products, asbestos "shorts" and "floats" bring such improvements as greater strength

and durability . . . increased resistance to heat, abrasion, impact . . . better viscosity control, reduced settling . . . and in plastics, faster moulding with less distortion in drying.

If you would like to know more about the various uses, properties and classifications of these versatile forms of asbestos, write to the address below for Brochure AFD-4A.



Asbestos Fibre Division
Canadian Johns-Manville Limited

970 Sun Life Bldg.

(Telephone: UN-6-9701)

Montreal, P. Q., Canada

material (reported to be hydromagnesite) with a considerable content of magnetite, and possibly some rarer metals in small amount.

The deposit at Stragari consists of an open-cut about 70 m long and 30 m wide with development going on below the quarry floor by means of an adit with several cross-cuts from it. Some surface work away from the open-cut plus a number of outcrops indicate a large zone of mineralization more or less paralleling the serpentine-limestone contact, and the projected increase in the size of the open-cut to 400 m by 100 m or more wide seems quite possible. In fact, anywhere along the contact looks like good prospecting ground.

The ore varies from a normally sheared serpentine with fibre sheets scattered thru it, to intensely sheared and completely altered serpentine with up to a 50% content of sheets. The mine uses the reasonable figure of 15% sheet content in averaging the orebody. It was not possible without detailed study to see if the richest ore areas were pockety or whether they could be considered as zones with a fair length. In any event, the impression gained was that a more thoro mine development program would give several million tons of ore reserves.

The word ore has been used in the above paragraphs because a use has been found for the compacted sheets. Pilot work shows that a dry milling process can produce small sheets from big ones and that a screened product about $\frac{1}{4}$ " square can be wet milled in such a way as to produce a kind of shredded fibrous product. Mixed with normal chrysotile fibre from elsewhere, the resulting blend can be used successfully in cement-fibre products such as pipes and sheets without more than a 20% loss in strength as measured for an all-fibre product. As a result of this research work, a mill to handle 340 tons of ore per day is planned. The wet milling procedures will be done at the manufacturing plants.

An added incentive to building a mill is the fact that in making the small sheets of the size desired twice as much material is ground to still smaller sizes and can be

Carey **ASBESTOS**

Since 1873 Carey has been manufacturing products of which asbestos is an integral part.

And Carey research is constantly working to make those products work better and to develop new products which will utilize the outstanding qualities of asbestos.

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Asbestos Packing • Asbestos Roofing Felts
Asbestos Paper and Millboard
Asbestos Prefabricated Ducts
Asbestos Shingles and Siding
Asbestos Wallboard



THE PHILIP CAREY MANUFACTURING CO.
CINCINNATI 15, OHIO

In Canada: The Philip Carey Co., Ltd., 277 Duke Street, Montreal 3, P. Q.

sold in Germany for \$40 a ton. The end-point of the smaller sheets is unknown to the writer. The mill and power line investment is estimated at 31,000,000 dinars. (The value of a dinar in free exchange areas is about 600 to the dollar).

As might be expected, a considerable effort has been made in Yugoslavia to find some cheap chemical, or other, method of freeing the chrysotile fibres from their state of bondage in the thin, tough sheets. The problem has very nearly been solved in test tubes (boiling in some sort of alkaline solution), but larger scale operations have not been brought to a successful conclusion. There is no reason, in the writer's opinion, to give up researching as the potential size of the ore reserves is adequate to justify the expense of the experimental work.

(The third part of this article will appear in our October number.)

• • •

VOLUNTEER

A citizen army—two million strong—goes into action in October to insure the nation's health and welfare for the year to come.

This once-a-year campaign by the country's Community Chests and the United Defense Fund insures the health and welfare services so vital to the entire community.

Volunteer your time now to your town's UNITED RED FEATHER CAMPAIGN.

• • •

Association of Consulting Chemists and Chemical Engineers, Inc. will hold its annual OPEN DOOR DINNER meeting October 28, 1952, 5.00 P.M., Hotel Belmont Plaza, New York City, in the form of a symposium entitled "Everyday Chemistry—Cosmetics and Household Chemicals".

ASBESTONE CORPORATION

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Building Products**

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ST. LOUIS, MO.**

JOHNS-MANVILLE'S NEW DEVELOPMENT IN AFRICA

Johns-Manville, which operates two asbestos mines in Canada, one of them the world's largest, announced plans for the immediate development in Africa of a third Asbestos mine.

The new asbestos ore properties are located at Mashaba in the Victoria District of Southern Rhodesia, about 200 miles south of Salisbury and 120 miles east of Bulawayo.

The project is part of Johns-Manville's long range program to maintain adequate supplies of asbestos ore for many years to come. Johns-Manville is a nationally known manufacturer of building materials, insulations and allied industrial products.

The plans call for development of the asbestos ore properties of Rhodesian Asbestos Limited and construction of a small central mill to process asbestos bearing ore extracted from the mine. Rhodesian Asbestos Limited was formed in December 1951, and is under the direction of Canadian Johns-Manville Company, Ltd., a subsidiary of the American corporation, in association with British Metals Corporation, Ltd., Angle-Huronian Ltd., Southern Minerals & Marketing Corp., (Pty) Ltd. and the Simon I. Patino interests.

James Robert Ewing, a widely experienced mining engineer formerly with Southern Minerals & Marketing Corporation of Southern Rhodesia, has been appointed Mine Manager. Mr. Ewing graduated in 1923 with a degree of Bachelor of Science in mining from the University of British Columbia. He also holds a Master's degree in geology from Queen's University, Kingston, Ontario.

Other asbestos mines operated by Johns-Manville include the world's largest at Asbestos, Quebec, and one at Munro Township, near Matheson, in northern Ontario.



YOU KNOW UNARCO

Unarco Insulations, Asbestos Packings, Gaskets, and Textile Products serve so many different uses in so many different places, you can always look to Unarco with confidence—whatever the need.

UNION ASBESTOS & RUBBER COMPANY

332 South Michigan Avenue, Chicago 4, Illinois

A NEW SHADOW BLEND

Shasta Snow, a new Shadow Blend designed to completely satisfy requirements of contemporary architecture, has been added to the existing line of Fire-Chex asbestos plastic shingles by the Philip Carey Mfg. Company.

This new roofing color has been created by the use of ceramic mineral granules in soft pastels of green and gray, frosted with brilliant white. An appearance of extra depth and thickness is made possible by the exclusive Shadow Blend process of blending the granules and deeply embedding them in the thick asbestos-plastic coating.

Shasta Snow Fire-Chex shingles possess excellent heat reflective characteristics and unlimited design versatility. They are particularly adaptable to ranch style and modern or contemporary homes. Fire-Chex shingles, produced exclusively by the Philip Carey Mfg. Company, are the only shingles of any kind without asbestos underlayment rated Class A for fire protection by Underwriters' Laboratories, Inc. Because they are extra thick, Fire-Chex offer lasting weather protection against hail, fungus growth and other elements in any climate. The shingles' freedom from maintenance and replacement cares provides twice the life of ordinary roofings.

FIRE PREVENTION WEEK

Fire Prevention Week this year will be held the week of October 5th to 11th, and as usual the National Fire Protection Association at 60 Batterymarch Street, Boston 10, Mass., has prepared posters, display cards, comic books, stickers, "Facts about Fire", and various other material, any or all of which help you stress the importance of Fire Prevention.

1951 was a disastrous year for large fire losses. During the year there were 302 fires in the U. S. and Canada with individual losses of \$250,000 or more producing an aggregate loss of \$213,310,000. This shocking experience accounted for 24 percent of the total fire loss in these two countries.



HAIR FELT

FOR

Low Temperature Insulation

Newark Hair Felt Co.
1000 Maple Avenue
Lansdale, Penna.

The number of large loss fires in 1951 increased 24 percent over the previous year and caused about 40 percent more damage.

Every day fires are:

killing 34 of us
disfiguring or injuring 70 more
attacking 849 of our homes, 79 stores, 88 factories,
9 churches, 8 schools, 4 theatres and 4
hospitals
costing us more than \$2,000,000 in destroyed
property

Fire Prevention Week is a real opportunity for the whole Asbestos Industry to stress its fireproof and fire resistant products.

CELITE

The Story of How Johns-Manville Puts the Diatom to Work

A full color, narrated motion picture about the origin, mining, processing and uses of diatomite has just been completed by Johns-Manville. It is a 16 mm, 36 minute, sound film covering its diatomaceous silica products called Celite.

The title of this motion picture is, "Celite, The Story of How Johns-Manville Puts the Diatom to Work". It explains how the Celite diatomite deposit was created over five million years ago—how Johns-Manville mines this unusual material and converts it into usable forms—and how the unique properties of Celite are put to work. The camera takes you into various industrial plants where Celite is used as a filter aid—shows some of the ways in which Celite mineral fillers improve products and processes—and points out other interesting Celite applications.

This film may be borrowed without charge from any of the 17 Johns-Manville sales offices located thruout the United States and Canada.

ASBESTOS

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MARKET CONDITIONS

GENERAL BUSINESS.

The unexpectedly rapid recovery of the steel industry from the strike has apparently saved the day for many producers of relatively high-priority items made from steel. Unfortunately the industry, despite increased capacity, will probably be unable to catch up with demand before mid 1953. In general, economist and businessmen are looking for good business for at least six months. Slowly rising prices are also predicted for both commodities and manufactured goods. Removal of price controls on a long list of items, all of which are selling well below ceiling prices, is an indication that at least in individual cases the general tendency for prices to continue rising does not necessarily apply. Building would appear to be on the up-grade and capital expenditures, altho adversely affected by the steel strike, will probably be greater than previously expected during the first half of 1953.

ASBESTOS — RAW MATERIAL.

The demand for the longer grades of fibre, down to and including the 5 Group, equals the available supply, as has been the case for the past year.

A noticeable pick-up has taken place in the last month or two, in the demand for the lower grades in certain types. While an excess exists in the so called cement grades for insulating purposes, the demand for the higher quality shorts has very closely approached the supply.

ASBESTOS — MANUFACTURED GOODS

Asbestos Textiles. The demand for asbestos cloth is still above normal but there is a lessening in demand for various asbestos tapes. Production is down 10 to 20% because of summer vacations of skilled workmen.

Asbestos Brake Lining. Industry sales have been slightly lower during July and August due to a leveling off in inventories. Sales should increase during the fall and it is anticipated that total sales will be slightly higher than for 1951.

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CHICAGO 4, ILL.	GRANT WILSON, INC. 141 West Jackson Boulevard
NEW YORK, N. Y.	CONNELL ASBESTOS MFG. CO. 117 Martense Street, Brooklyn 26, New York

Asbestos Paper. Volume is holding up fairly well. Warehouse stocks are now normal, so slow volume of several months ago has passed and requirements are more normal. The *Millboard* demand is slight. Commercial board business is off 50% or more altho equipment business is starting to pick up. At present the demand for *Asbestos Saturated Paper* exceeds production and there is a considerable backlog of orders.

Insulation. High Pressure. After a slow down for three or four months business is definitely picking up and prospects for the balance of the year are quite bright. Contracts which have been held up are starting to operate and increasing demand should go well into the first half of 1953.

Insulation. Low Pressure. Jobber business is still slow due to conservative buying policy, but contract orders are picking up and business can be considered fairly normal.

Asbestos Cement Products. The market for siding is holding steady but is expected to increase for the next several months.

At present the demand for corrugated and flat just about equals production, most of the orders being for small jobs.

The pressure pipe market continues strong. There is a high demand for flue and house connection pipe and the conduit market remains steady.

Asphalt Tile. The demand for asphalt tile continues heavy and industry sales are currently running ahead of the record 1951 rate.

The above comments have been made by various informed executive in the Industry. All comments are welcome.

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Producers of

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and

Fiberized Asbestos

The World's Finest Fibre



DRAWER 71

GLOBE, ARIZONA

Mines and Mills in Gila Co., Arizona

PRODUCTION STATISTICS

Africa (S. Rhodesia)

(Published by Rhodesia Chamber of Mines)

Tons 2000 lbs.

Production for April 1952	6,499.39 tons
Valued at	£521,231
Production for April 1951	6,537.34 tons
Valued at	£455,747

Africa (Swaziland)

Production for July 1952	2,790 tons
--------------------------------	------------

Canada

(Department of Mines, Province of Quebec)

Tons 2000 lbs.

Production for June 1952	75,934 tons
Compared with June 1951	80,388 tons
Dominion Production for June 1952 is 78,050 tons, a difference of 2,338 tons from the Quebec figure.	

Australia — Statistics

(Published by Bureau of Mineral Resources, Geology and Geophysics,
Ministry of National Development)

Tons 2240 lbs.

Quarter ending

Dec. 31, 1951

Year 1951

Production

Chrysotile	550 tons	1,159 tons
Crocidolite	633 tons	1,399 tons
	1,213 tons	2,558 tons

Imports

Chrysotile	1,937 tons	10,886 tons
Crocidolite	102 tons	103 tons
Amosite	2,315 tons	8,481 tons
Other	2,200 tons	5,819 tons
	6,554 tons	25,289 tons

Exports

U. S. A.	136 tons	306 tons
United Kingdom		43 tons
Other Countries	16 tons	239 tons
	152 tons	588 tons

SMITH & KANZLER CO.

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Wool Felt

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Sponge Felt

Multi Ply

Established 1920

East Linden Ave., Linden, N.J.

IMPORTS AND EXPORTS

Imports into U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos — By Countries

	May 1952
	Tons (2240 lbs.)
From Canada	49,500
Union of S. Africa	1,813
Southern Rhodesia	353
So. B. Africa	117
U. S. S. R.	193
Australia	51
Bolivia	30
Other Countries	101
	<hr/>
	52,157
Valued at	\$5,147,328

By Grades—

Crude No. 1, Chrysotile, Canada	15
Crude No. 1, Chrysotile, Other Countries	9
Crude No. 2, Chrysotile, Canada	25
Crude No. 2, Chrysotile, So. Rhodesia	59
Crude Other, Chrysotile, So. Rhodesia	293
Crude Other, Chrysotile, So. B. Africa	117
Crude Other, Chrysotile, Other Countries	14
Crude, Blue, Bolivia	30
Crude, Blue Australia	51
Crude, Blue, Union of S. Africa	533
Crude, Amosite, Union of S. Africa	1,280
Textile Fibres, Chrysotile, Canada	1,936
Textile Fibres, Other Countries	78
Shingle Fibres, Chrysotile, Canada	7,474
Paper Fibres, Chrysotile, Canada	6,359
Paper Fibres, Chrysotile, U. S. S. R.	193
Other Fibres, Chrysotile, Canada	33,691
	<hr/>
	52,157

Manufactured Asbestos Goods:

	May 1952	
	Quantity (lbs.)	Value
Asbestos Yarn		
Canada	22,372	\$21,669
United Kingdom	64,923	37,254
Asbestos Packing — Fabric	4,632	4,286

CANADIAN ASBESTOS FIBERS



THE NICOLET MINE
Norbestos (via Warwick)
Que.

Address Inquiries to:

NICOLET ASBESTOS MINES LIMITED INC.*

70 Pine Street

New York 5, New York

**One of the NICOLET Industries*

May 1952		
	Quantity (lbs.)	Value
Asbestos Packing — Not Fabric	2,088	972
Asbestos Woven Fabrics — Other	15,343	6,118
Asbestos Brake Lining — (Molded)	4	2
Asbestos Cement Prod. (Impreg.)	7,336	1,063
Asbestos Cement Pro. (Not Impreg.)	168,828	11,263
Asbestos Shingles (Impreg.)	648	128
Asbestos Manufactures — Others		3,180
	286,174	\$85,935

Exports from U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos:

May 1952		
	Tons (2240 lbs.)	Value
To Europe	647	\$190,861
South America	51	12,810
Other Countries	237	49,264
	935	\$252,935

Manufactured Asbestos Goods:

May 1952		
	Quantity	Value
Asbestos Pipe Covg. & Cement ... Lbs.	443,510	\$ 40,048
Asbestos Textiles & Yarn Lbs.	51,187	38,491
Asbestos Packing Lbs.	159,576	164,853
Asbestos Bk. Lng. (Mld.&S.Mld.) Lbs.	458,223	462,999
Asbestos Bk. Lng. Woven Lin. Ft.	50,932	48,434
Asbestos Clutch Facings No.	82,725	72,413
Asbestos Brake Blocks Lbs.	40,957	48,801
Asbestos Construction Materials Lbs.	3,837,435	49,694
		\$1,237,048

Exports from Canada

(Published by Dominion Bureau of Statistics)

May 1952		
	Tons (2000 lbs.)	Value
<i>Unmanufactured Asbestos:</i>		
<i>Crude</i>		
United States	43	\$ 44,596
South America
Central America & Mexico
European Countries	7	6,000
Other Countries	2	1,488
	52	\$ 52,084



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ASBESTOS



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BECAUSE THEY ARE MADE BETTER

York pipe coverings are manufactured with a white asbestos felt wrapper under the canvas or glazed jacket. The asbestos wrapper keeps the section compact, adds to the efficiency and the strength of the pipe covering and gives the finished job a clean white smooth appearance.

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- AIR CELL PIPE COVERING, SHEETS & BLOCKS, BOILER JACKETS • FROST-PROOF PIPE COVERING • WOOL FELT PIPE COVERING • ANTI-SWEAT PIPE COVERING

		May 1952
	Tons (2000 lbs.)	Value
Milled		
United Kingdom	18,039	\$2,902,062
United Kingdom	5,115	981,671
South America	907	141,223
Central America & Mexico	320	54,410
European Countries	6,395	1,122,965
Other Countries	3,094	526,118
	<hr/>	<hr/>
	33,870	\$5,733,449
Shorts		
United States	40,492	\$2,046,220
United Kingdom	2,540	110,981
South America	1,064	85,038
Central America & Mexico
Other Countries	1,169	103,129
European Countries	5,904	446,703
	<hr/>	<hr/>
	51,169	\$2,792,071
<i>Grand Total—Unmanufactured Asbestos</i>	<i>85,091</i>	<i>\$8,577,604</i>
<i>Manufactured Asbestos Goods:</i>		
Brake Lining	\$27,056
Packing	56
Other Materials	58,943
	<hr/>	<hr/>
	\$86,055	

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BOSTON 57 Regent St., N. Cambridge 40	HOUSTON 1 Commerce and Palmer Sts.	KNOXVILLE 1221 Grand Ave.	PHILADELPHIA 39 856 N. 48th St.
CHARLOTTE 3, N. C. 507 S. Cedar St.	INDIANAPOLIS 4 15 E. Washington St.	LOS ANGELES (Maywood): 6116 Walker Ave.	ST. LOUIS 9 3176 Bronnen Ave.
CINCINNATI 2 427 West 4th St.		In Canada: Mundet Cork & Insulation, Ltd., 35 Booth Ave., Toronto	SAN FRANCISCO 7 440 Bronnen St.

Imports of Asbestos by United Kingdom

Raw Material

	June 1952
	Tons (2240 lbs.)
From Union of South Africa	2,737
Southern Rhodesia	1,865
Basutoland Bechuanaland & Swaziland	1,211
Canada	4,357
Other Commonwealth Countries and the	
Irish Republic	398
Foreign Countries	488
	11,056

These figures were supplied by the Mining Journal Limited of London.

AUTOMOBILE SALES

Passenger Cars	168,327
Motor Trucks	43,339
Motor Coaches	224

In July 1951 a total of 492,316 motor vehicles were sold. In the seven months of 1952 the total was 3,057,701.

These figures were supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Michigan.

The nationwide steel strike caused a 59% decline in factory sales of new motor vehicles in July, according to the Automobile Manufacturers Association.

The month's total of 211,890 units sold from U. S. plants compared with factory sales of 518,710 new cars, trucks and buses during June. It represented the lowest monthly output since March 1946.

Cumulative factory sales for the first seven months of 1952 total 3,057,701 units, or approximately 1,300,000 vehicles less than factory sales in the comparable period of 1951.

Export sales in the first seven months of 1952 total 213,914 units, as compared to 306,141 units shipped abroad in the same period last year. The year's exports thus far amount to 7% of total production.

• BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

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Unexcelled for use in	
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BUILDING

Construction contracts awarded in the 37 states east of the Rockies in July were \$1,511,285,000 or 2 per cent ahead of June and 10 per cent ahead of July 1951, according to F. W. Dodge Corporation, construction news and marketing specialists. The total for the first seven months of the year was \$9,269,863,000 or 9 per cent behind 1951's comparable total of \$10.1 billion.

July non-residential contracts were \$562,686,000 or 2 per cent more than June and 5 per cent more than July last year. Non-residential for seven months was \$3,261,661,000, down 29 per cent from the same period last year.

Residential awards for July were \$608,078,000, a 5 per cent gain over June and 11 per cent more than July 1951. Residential for seven months was \$3,952,115,000, up 2 per cent over 1951.

Public and private works and utilities at \$340,521,000 in July were 4 per cent less than June but 15 per cent more than July a year ago. For seven months, public and private works and utilities at \$2,056,087,000 were 20 per cent ahead of the corresponding period 1951.

Reprints of M. S. Badollet's paper entitled "Asbestos Floats" can be obtained from the Canadian Institute of Mining and Metallurgy, 906 Drummond Bldg., Montreal 2, Canada. A limited number is available at \$1.00 each.

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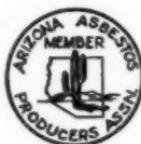
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SCREW
NO "CREEPING"

- **ECONOMICAL**—Save up to 50% over other asbestos siding nails.
- "FILE-GRIP" — Spiral serrations insure minimum wood fiber breakage and maximum contact with wood fibers under constant tension.
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NEWS OF THE INDUSTRY

BIRTHDAYS

Charles Robert Neal, President, Metate Asbestos Corporation, Globe, Arizona, September 18.

W. N. Bolster, President and Treasurer, General Insulation Co., Cambridge, Mass., September 20.

W. C. Dodge, Jr., Advertising Manager, Keasbey & Mattison Co., Ambler, Pa., September 21.

J. C. Rector, Sales Mgr., Insulation Division, The Philip Carey Mfg. Co., Cincinnati, Ohio, September 24.

C. Stanley Morgan, Detroit, Michigan, September 25.

R. H. Temple, Secretary-Treasurer, Thermoid Company, Trenton, N. J., September 25.

E. R. Teubner, Jr., President and Treasurer, Philadelphia Asbestos Co., Philadelphia, Pa., September 26.

O. H. Cilley, Vice President, U. S. Asbestos Division, Raybestos-Manhattan, Inc., Manheim, Pa., September 27.

Harold R. Berlin, Vice President, Johns-Manville Sales Corporation, New York City, September 28.

W. H. Fehrs, Vice President, Union Asbestos & Rubber Co., Cicero, Ill., September 28.

J. M. High, The Ruberoid Co., New York City, September 28.

William B. Brown, Partner, The Insulation Co., Hartford, Conn., September 29.

Frank L. Sowka, Treasurer, Standard Asbestos Mfg. Company, Chicago, Ill., October 1.

George Courtauld, Director, The Cape Asbestos Co., Ltd., London, England, October 2.

W. W. Dunkin, Treasurer, Southern Friction Materials Company, Charlotte, N. C., October 5.

C. L. Moorman, Vice President, Union Asbestos & Rubber Co., Chicago, Ill., October 6.

Harry E. Smith, Vice President, Raybestos-Manhattan, Inc., Passaic, N. J., October 8.

Russell E. Crawford, Secretary, Ehret Magnesia Mfg. Co., Valley Forge, Pa., October 9.

John H. Victor, President, Victor Mfg. & Gasket Co., Chicago, Ill., October 9.

A. L. Penhale, President and Managing Director Asbestos Corporation, Thetford Mines, P. Q., Canada, October 11.

H. R. Barrett, Vice President and Controller, The Philip Carey Mfg. Co., Cincinnati, Ohio, October 13.

W. W. F. Shepherd, Chairman of Board, Keasbey & Mattison Co., Ambler, Pa., October 13.

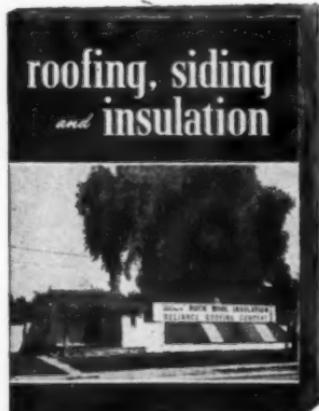
W. M. Paxton, Sales Manager, Packing Dept., Raybestos Division, Raybestos-Manhattan, Inc., Bridgeport, Conn., October 14.

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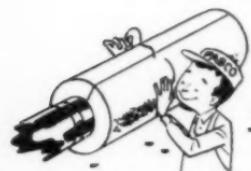
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Dependable precision in heat insulation, to meet modern engineering demands! Pabco "Precision Molded" 85% Magnesia combines time-tested superiority with precision molding — close tolerances, controlled sizes, light weight, uniform texture!

SAVES MAN HOURS

Thus, Pabco is faster to apply! Easier to lift, quicker to cut and score, simpler to embed tie wires! You get Precision fit—pipe sizes and blocks molded to exact size!



PABCO PRODUCTS INC.

INSULATION DIVISION

San Francisco 19

Manufacturers of Heat Insulation since 1920

New York 16

Thomas D. Stone, President, Stone Industrial Equipment Co.,
Springfield, Mass., October 14.

To all these gentlemen we extend congratulations and best
wishes on the occasion of their birthdays.

PABCO PRODUCTS INC.

Change In Personnel

William L. Keady, former President of the United States
Gypsum Company and the Marathon Paper Company, was elected
President of Pabco Products Inc., and named a member of the
Board of Directors.

William H. Lowe, President of Pabco Products Inc. was elevat-
ed to the chairmanship of the Board replacing *Richard S.
Shainwald* who becomes Honorary Chairman of the Board of
Directors.

Mr. Keady joined United States Gypsum Company in 1924,
becoming its Production Manager in 1928, and was named Vice
President in Charge of Operations in 1932. Four years later he
was appointed Vice President in Charge of Sales and in 1942 was
elected President of United States Gypsum.

In 1949 he resigned and later assumed the presidency of
Marathon Corporation, one of the nation's large producers of
paper and paper products.

Mr. Lowe joined Pabco Products Inc. in 1904 following his
graduation from Cornell University where he majored in
mechanical engineering. He started in research and in 1906
transferred to the general offices where he eventually became
head of purchasing, traffic, advertising and sales. He later
became Vice President and Sales Manager, and has been President
since 1936.

Mr. Shainwald, earlier this year, celebrated his 60th year of
association with Pabco Products Inc., having joined the firm as
bookkeeper in 1892. Later he became Secretary-Treasurer, then
Assistant Manager, Vice President and General Manager, Presi-
dent and in 1936 he was elected Chairman of the Board of Direc-
tors. Still active, Mr. Shainwald recently celebrated his 90th
birthday.

UNION ASBESTOS & RUBBER CO.

Change In Personnel

Norman C. Naylor, President of Union Asbestos & Rubber
Company, Chicago, announced, effective September 1st, the ap-
pointment of *Robert E. Cryor* as Vice-President in charge of Gov-
ernment and Industry Relations for all of the company's di-
visions and products. Mr. Cryor has been Vice-President in
charge of Manufacturing of the Fibrous Products Division.

Emil T. Johnson, who has been in charge of engineering and
research, becomes Director of Production and Engineering of the
Fibrous Products Division.

DRYLON WET MACHINE FELTS

Wool and Nylon Blend Fleece

Carefully Engineered

To Meet

Your Individual

Problems

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ASBESTOS CEMENT PRODUCTS

ASBESTOS MILLBOARD

ASBESTOS PAPER

**Our Patented Construction Places the Nylon Where
It Is Most Effective*

**DRYCOR FELT COMPANY
STAFFORDVILLE, CONN. USA.**

**Nylon Has Proved Itself Essential in Asbestos Cement Felts*

RAYBESTOS-MANHATTAN, INC.**Appoints New Distributor**

Webster-Robinson Machinery & Supply Co., Inc., has recently been appointed by Raybestos-Manhattan, Inc., as a new distributor of belting, hose and other industrial rubber products in the Tacoma, Washington, area.

THE RUBEROID CO. CONTEMPLATES PURCHASING**The American Asphalt Roof Corporation**

The management of The Ruberoid Co., New York, manufacturers of asphalt and asbestos building products, and the American Asphalt Roof Corporation, of Kansas City, Mo., have under consideration the acquisition by Ruberoid of all of the assets, good-will and going business of American.

The terms of the proposed sale of the American Corporation's assets will be submitted to its stockholders for approval at a meeting to be held in Kansas City, Mo.

American Asphalt Roof Corporation has been established for 32 years and its history has been one of continuous growth and progress. Its products include asphalt shingles and siding, built-up roofing materials, building papers and protective coatings and cements. American's president, *F. J. McGinley*, and vice-president, *John J. Flood, Sr.*, would become directors and vice-presidents of The Ruberoid Co. and be active in the management.

DUTTON ASBESTOS & SUPPLY COMPANY**New Members of the Company**

Dutton Asbestos & Supply Company announce the association of the following with their company: *John H. Broad, Harry P. Hansell, James J. Kelly and Edison S. Stewart.*

The above represents a total of over 75 years experience in the insulation field, most of which was obtained in the Central California area.

Dutton Asbestos & Supply Company are now, and have been for many years, distributors in Northern California for Ehret Magnesia Mfg. Co., and Sall Mountain Company, besides representing various other manufacturers supplying them with kindred items.

NEW DENVER WAREHOUSE FOR RAYBESTOS-MANHATTAN

Raybestos-Manhattan, Inc., has recently opened its new Denver, Colorado, warehouse at 4500 York Street. The new warehouse will serve the entire Rocky Mountain region with industrial rubber products and packings, as well as the Rocky Mountain and Western Canadian oil fields with hose, belting, packing and friction materials.

Elton T. Fair, Jr., sales representative for the territory, is in charge of the warehouse.

ASBESTOS FIBRE

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AMOSITE

CAPE BLUE

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ASBESTOS SCRAP OF ALL TYPES IN STOCK

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HUMBOLDT 5-2372

CANADIAN GOVERNMENT HONORS

Martin V. Coffey of Carey

At a dinner, August 24, at the New York Athletic Club, **Martin V. Coffey**, General Sales Manager for the Philip Carey Mfg. Company, will receive a life membership by the Canadian Government in its Army, Navy, and Air Force League.

Mr. Coffey is well known as a public speaker on "Selling America". He has served the American Legion as National Vice Commander, Chairman of the American Committee, and member of the Legion's National Executive Committee. For the past four years he has been Chairman of the Presidents National Selective Service Appeals Commission and has recently been appointed to the Board of the Soldiers' and Sailors' Home at Xenia, Ohio.

UNITED STATES RUBBER COMPANY

New Appointments

W. H. Bric has been appointed manager of United States Rubber Company's combed and carded yarn sales office at 819 Santee Street, Los Angeles, Calif.

Mr. Bric has been sales representative in the New York and Philadelphia area for the past three and one-half years. The Los Angeles office serves the States of California, Oregon and Washington. It handles the sale of combed and carded yarns and synthetic yarns, and services accounts on Asbestone and Ustex products.

Samuel K. George, III, has been appointed sales representative to cover the Philadelphia area, Southern New Jersey and Delaware. Mr. George's headquarters will be at the sales office in Reading, Pa.

UNION ASBESTOS & RUBBER COMPANY

Semi-Annual Report

Report for half year 1952 shows a net profit of \$387,078, or 81c per share on net sales of \$7,390,914, compared with \$377,420, or 79c per share on sales of \$5,628,229 in 1951.

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RUSSIA
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**Large Capacity Fiberizing and
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Jersey City, N. J.

PACIFIC INSULATION FIRM

Purchased By Fiberglas

Fiberglas Engineering & Supply Co., a subsidiary of Owens-Corning Fiberglas Corp., has purchased the Marine Engineering & Supply Co.; the purchase price being around \$2,500,000.

The Marine Engineering & Supply Company is a 25-year-old company that distributes and contracts to install insulation products; operating branches in Albuquerque, N. M., Phoenix, Ariz., and Salt Lake City, Utah.

Under the management of *L. A. Hanson* and *Wilmer M. Binford*, president and vice-president, respectively, of Marine Engineering, the Company's entire organization will be absorbed into the Marine Engineering Division of Fiberglas Engineering & Supply Co.

RAYBESTOS-MANHATTAN, INC.

Opens New Houston Warehouse

Raybestos-Manhattan, Inc. announces the opening of a new Houston warehouse at 3012 Canal Street which offers larger quarters with ample stocking facilities for servicing the expanding Gulf Coast industrial area.

The warehouse will supplement and service distributors' stocks and will permit prompt service and deliveries. The principal products carried will be conveyor belting, transmission belting, V-belts, industrial hose of all types, and asbestos and rubber packings.

The Houston warehouse is in charge of *M. C. Nugent* and operates under the Dallas Office, *E. W. Nagel*, manager.

R. LLOYD

Completes 50 Years' Service

R. Lloyd ("Dick" to his friends and customers), Head Office Sales Manager of Bell's Asbestos and Engineering Limited, completed 50 years of continuous service on August 28th, 1952.

The company celebrated the event by a lunch and by presenting Mr. Lloyd with a television set. Mr. Lloyd and some fifteen of his long service friends in the company attended the lunch as guests of the Board.

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PE 12 dm

National Bureau of Standards has announced the publication of a booklet on "Effect of Exposure to Soils on the Properties of Asbestos-Cement Pipe", by Irving A. Denison and Melvin Romanoff. The booklet summarizes results of studies made on two varieties of asbestos-cement pipe involving exposure for periods up to 11 years, to 15 different soils, ranging from well aerated types deficient in water-soluble salts, to very poorly aerated types containing high concentrates of soluble material.

The booklet may be obtained from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D.C., for 15c each.

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial & Financial Chronicle. No guarantee as to their correctness.)

September 1952

	Par	Low	High	Last
Amer. Br. Shoe (Com.)	np	39 1/4	40 1/2	40
Amer. Br. Shoe (Pfd.)	100	104	105 3/4	105 3/4
Armst. Ck. (Com.)	np	53 1/2	55 3/8	53 1/2
Armst. Ck. (Pfd.)	np	95 3/4	98 7/8	98 7/8
Armst. Ck. (Conv. Pfd.)	np	113	114 1/4	113 3/4
Asb. Corp. (Com.)	np	24 1/2	26	25 1/2
Carey (Com.)	10	16 7/8	17 3/8	16 7/8
Celotex (Com.)	np	17 1/4	18	17 1/4
Celotex (Pfd.)	20	16 1/4	17	16 1/4
Certaineed (Com.)	1	14 1/8	15 1/8	14 1/4
Flintkote (Com.)	np	28 3/4	29 3/8	29 3/8
Flintkote (Pfd.)	np	100	101 1/2	100
Johns-Manville (Com.)	np	75 1/4	77 1/2	76
Pabco Products (Com.)	np	13	15 3/8	13 3/4
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Ruberoid (Com.)	np	62 1/4	64	62 7/8
Thermoid (Com.)	1	9 1/4	9 7/8	9 5/8
Union Asb. & Rub. (Com.)	5	13 1/8	14 3/8	13 3/4
United Asb. (Com.)	1	3.20	3.90	3.60
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AFTERTHOUGHTS

¶ Don't forget that Fire Prevention Week will be celebrated in October. September is the time to prepare for it. Get your advertising display lined up for local papers.

¶ Be sure to go over our Birthday list on page 38 and tell us of any corrections which should be made in it. It is almost impossible to keep this list correct and up to date without your help.

¶ Next month we shall publish the last section of Mr. Millar's article, "Asbestos in Yugoslavia" and after that we have an article from W. E. Sinelair, M. I. M. M.

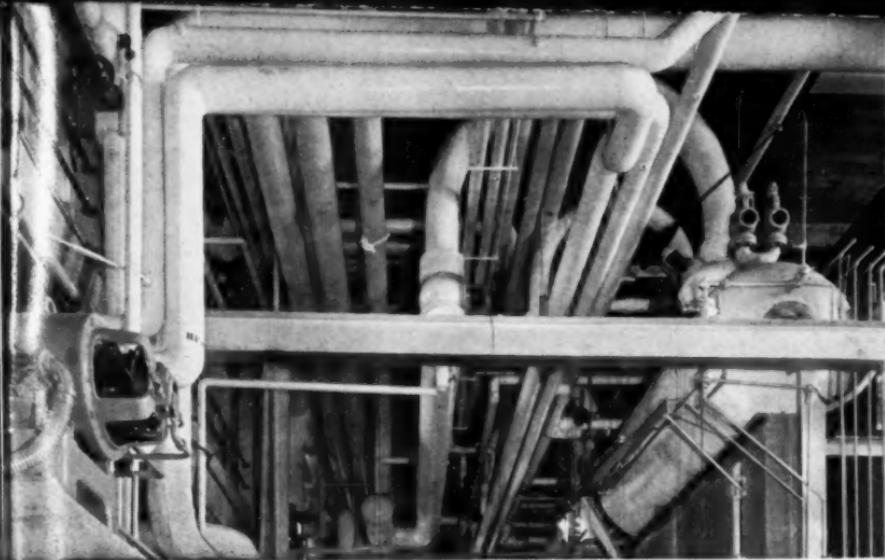
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